

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

L Number	Hits	Search Text	DB	Time stamp
-	55	(348/238).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 10:52
-	115	(348/262).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 10:52
-	185	((348/236).CCLS.) or ((348/238).CCLS.) or ((348/262).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 13:07
-	27	((348/236).CCLS.) or ((348/238).CCLS.) or ((348/262).CCLS.) and (beamsplitter or beam-splitter or beam adj splitter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:14
-	58769	beamsplitter or beam-splitter or beam adj splitter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:16
-	280	(beamsplitter or beam-splitter or beam adj splitter) with pellicle	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:01
-	31	((348/262).CCLS.) and luminance	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 12:42
-	1	((348/262).CCLS.) and luminance) and acoustic\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:02
-	352	optoacoustic\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:02
-	462	opto-acoustic\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:02
-	513	opto adj acoustic\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:02
-	830	optoacoustic\$4 or opto-acoustic\$4 or (opto adj acoustic\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:16
-	3	(optoacoustic\$4 or opto-acoustic\$4 or (opto adj acoustic\$4)) and ((beamsplitter or beam-splitter or beam adj splitter) with pellicle)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:14

-	17	("4795236" "4878737" "4999510" "5083856" "5091795" "5237452" "5426980" "5471344" "5477381" "5504621" "5550663" "5568197" "5581301" "5589882" "5652809" "5818592" "5890789").PN.	USPAT	2004/06/24 11:06
-	1	6356379.URPN.	USPAT	2004/06/24 11:07
-	725	359/305	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:14
-	141	359/305 and (beamsplitter or beam-splitter or beam adj splitter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:14
-	1514	(beamsplitter or beam-splitter or beam adj splitter) and luminance	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:17
-	2	((beamsplitter or beam-splitter or beam adj splitter) and luminance) and (optoacoustic\$4 or opto-acoustic\$4 or (opto adj acoustic\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:16
-	423	((beamsplitter or beam-splitter or beam adj splitter) and luminance) and shutter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:30
-	160	((beamsplitter or beam-splitter or beam adj splitter) and luminance) and shutter) and (red and green and blue)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:21
-	26	((beamsplitter or beam-splitter or beam adj splitter) and luminance) and shutter) and (red and green and blue)) and grating	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:19
-	134	((beamsplitter or beam-splitter or beam adj splitter) and luminance) and shutter) and (red and green and blue)) not (((beamsplitter or beam-splitter or beam adj splitter) and luminance) and shutter) and (red and green and blue)) and grating)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:21
-	0	((beamsplitter or beam-splitter or beam adj splitter) and luminance) and shutter) and checker45	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:31
-	288	((beamsplitter or beam-splitter or beam adj splitter) and luminance) and shutter) and color\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:32
-	131	((beamsplitter or beam-splitter or beam adj splitter) and luminance) and shutter) and color\$4) and polariz\$6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:32
-	29	((beamsplitter or beam-splitter or beam adj splitter) and luminance) and shutter) and color\$4) and polariz\$6) and sensors	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 11:32
-	6	("3548083" "3977012" "4162831" "4175843" "4491406" "4682873").PN.	USPAT	2004/06/24 12:41

-	5	chrominance adj sensor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 12:42
-	2920	luminance with sensor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 12:49
-	6	(US-6614471-\$ or US-5023723-\$ or US-4853787-\$ or US-3603723-\$ or US-6356379-\$ or US-6529640-\$).did.	USPAT	2004/06/24 12:50
-	2	((US-6614471-\$ or US-5023723-\$ or US-4853787-\$ or US-3603723-\$ or US-6356379-\$ or US-6529640-\$).did.) and dichroic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 12:51
-	2741	mechanical adj shutter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 12:54
-	330	(mechanical adj shutter) and video adj camera	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 12:52
-	170	((mechanical adj shutter) and video adj camera) and rotat\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 12:53
-	109	mechanical adj shutter with rotat\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 12:54
-	60	(mechanical adj shutter with rotat\$5) and camera	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 12:54
-	39	checker\$7 with color\$3 with image adj sensor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 13:03
-	76	((((348/236).CCLS.) or ((348/238).CCLS.) or ((348/262).CCLS.)) and luminance	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 13:07
-	63	((((348/236).CCLS.) or ((348/238).CCLS.) or ((348/262).CCLS.)) and luminance) and red	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 13:08
-	61	(((((348/236).CCLS.) or ((348/238).CCLS.) or ((348/262).CCLS.)) and luminance) and red) and green	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 13:08
-	60	(((((348/236).CCLS.) or ((348/238).CCLS.) or ((348/262).CCLS.)) and luminance) and red) and blue	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 13:08

-	12	(((((348/236).CCLS.) or ((348/238).CCLS.) or ((348/262).CCLS.)) and luminance) and red) and blue) and checker\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 13:08
-	20	(348/236).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 13:29
-	951	luminance and checker\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 13:51
-	186	(luminance and checker\$5) and (two-color\$2 or two adj color\$2 or ((348/238).CCLS.) adj color\$2 or 2-color\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 14:01
-	17	((luminance and checker\$5) and (two-color\$2 or two adj color\$2 or ((348/238).CCLS.) adj color\$2 or 2-color\$2)) and dichroic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 13:31
-	113	((luminance and checker\$5) and (two-color\$2 or two adj color\$2 or ((348/238).CCLS.) adj color\$2 or 2-color\$2)) and (red and blue and green)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 13:33
-	5	("4054906" "4069501" "4141037" "4149182" "4167755").PN.	USPAT	2004/06/24 13:44
-	7	4238765.URPN.	USPAT	2004/06/24 13:45
-	40710	luminance and color	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 13:51
-	617	luminance with color with sensor\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 13:52
-	17	("4795236" "4878737" "4999510" "5083856" "5091795" "5237452" "5426980" "5471344" "5477381" "5504621" "5550663" "5568197" "5581301" "5589882" "5652809" "5818592" "5890789").PN.	USPAT	2004/06/24 13:53
-	29	("4205337" "4310847" "4330793" "4418358" "4630120" "4672424" "4703365" "4709144" "4716456" "4736251" "4745466" "4823186" "4918523" "4969204" "4982270" "5023711" "5045932" "5060061" "5081529" "5255081" "5262847" "5377025" "5543940" "5619590" "5671013" "5677528" "5978023" "6356379" "6429953").PN.	USPAT	2004/06/24 13:57
-	26754	two-color\$2 or two adj color\$2 or ((348/238).CCLS.) adj color\$2 or 2-color\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 14:02
-	71	(two-color\$2 or two adj color\$2 or ((348/238).CCLS.) adj color\$2 or 2-color\$2) with image adj sensor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/24 14:02

-	10	(US-6614471-\$ or US-5023723-\$ or US-4853787-\$ or US-3603723-\$ or US-6356379-\$ or US-6529640-\$ or US-5914750-\$ or US-6100929-\$ or US-4876591-\$ or US-4107732-\$).did.	USPAT	2004/09/17 10:39
-	6	((US-6614471-\$ or US-5023723-\$ or US-4853787-\$ or US-3603723-\$ or US-6356379-\$ or US-6529640-\$ or US-5914750-\$ or US-6100929-\$ or US-4876591-\$ or US-4107732-\$).did.) and ccd	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 10:40
-	0	((US-6614471-\$ or US-5023723-\$ or US-4853787-\$ or US-3603723-\$ or US-6356379-\$ or US-6529640-\$ or US-5914750-\$ or US-6100929-\$ or US-4876591-\$ or US-4107732-\$).did.) and ccd) and back-thinned	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 10:40
-	53	back-thinned	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 10:40
-	986	back-thinned or back-illuminated or back adj thinned or back adj illuminated	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 10:44
-	4	(back-thinned or back-illuminated or back adj thinned or back adj illuminated) with luminance	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 10:41
-	248	(back-thinned or back-illuminated or back adj thinned or back adj illuminated) with ccd	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 10:44
-	56	((back-thinned or back-illuminated or back adj thinned or back adj illuminated) with ccd) and (red and green)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 10:45
-	6	((back-thinned or back-illuminated or back adj thinned or back adj illuminated) with ccd) and (red and green)) and checkerboard	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:08
-	2	raid adj recorder	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:08
-	9118	raid	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:09
-	520	raid with record\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:09
-	10	raid near3 recorder	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:10
-	96	raid adj memory	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:10

-	1	(raid adj memory) and frame adj rat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:12
-	2	AGC and unshielded adj white	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:12
-	0	AGC and unshielded adj pixels	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:13
-	91	AGC and white adj reference	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:13
-	32	AGC with white adj reference	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:21
-	91	AGC and white adj reference	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:21
-	7853	AGC and white and reference	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:21
-	8556	AGC and white	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:21
-	448	AGC with white	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:23
-	2087	binning	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:22
-	2	diagonal adj binning	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:22
-	32	diagonal adj interpolation	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:22
-	132696	red with green	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:24
-	2893	red with green with ccd	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:31

-	243	(red with green with ccd) and luminance with ccd	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:38
-	8	((red with green with ccd) and luminance with ccd) and checkerboard	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:25
-	242	((red with green with ccd) and luminance with ccd) and blue	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:30
-	455	red near3 green near3 ccd	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:31
-	21	(red near3 green near3 ccd) and luminance near4 ccd	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:31
-	2257	luminance with ccd	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:38
-	449	luminance near3 ccd	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:39
-	128	(luminance near3 ccd) and (red and green and blue)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/17 11:40